Datasheet: 0300-0578P

Description: SHEEP ANTI HUMAN ALKALINE PHOSPHATASE (BAP):HRP

Specificity: ALKALINE PHOSPHATASE (BAP)

Other names: AP

Format: HRP

Product Type: Polyclonal Antibody

Isotype: Polyclonal IgG

Quantity: 1 ml

Product Details

RRID: AB_1172071

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

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<th>Suggested Dilution</th>
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<td>ELISA</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species: Human

Product Form: Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid

Antiserum Preparation: Antisera to human alkaline phosphatase were raised by repeated immunisations of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography on protein G.

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.01% Thiomersal

Approx. Protein Concentrations: IgG concentration 1.0mg/ml

Immunogen: Alkaline phosphatase from human bone

External Database Links

UniProt: P05186 Related reagents

Entrez Gene:
**Specificity**

Sheep anti Human alkaline phosphatase (Bap) antibody recognizes human bone alkaline phosphatase (BAP), a membrane-bound hydrolase enzyme expressed by osteoblast cells.

Alkaline phosphatase (AP) is a ubiquitously expressed enzyme which removes phosphate groups from target molecules, including DNA, RNA and alkaloids, under alkaline conditions, and is present at higher concentrations in the placenta (placental AP), intestines (intestinal AP) and liver/bone kidney (tissue non-specific AP). Although the exact biochemical function of BAP is uncertain, measurement of the serum levels of BAP can be used as a biochemical indicator of bone turnover. Conditions which present with a decrease in the level of BAP (hypophosphatasemia) include the inherited bone-deforming disorder hypophosphatasia and osteoporosis, whilst an increase in BAP (hyperphosphatasemia) is associated with Paget’s disease, bone fractures and osteosarcomas.

**References**


**Further Reading**


**Storage**

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Recommended Products**

**Recommended Useful Reagents**

AbGUARD® HRP STABILIZER PLUS (BUF052A)
AbGUARD® HRP STABILIZER PLUS (BUF052B)
AbGUARD® HRP STABILIZER PLUS (BUF052C)
TMB CORE (BUF056A)
TMB CORE+ (BUF062A)
TMB SIGNAL+ (BUF054A)